## IN-SITU PLUG FILL

## ABSTRACT OF THE DISCLOSURE

A method for forming damascene features in a dielectric layer over a barrier layer over a substrate is provided. A plurality of vias are etched in the dielectric layer to the barrier layer with a plasma etching process in the plasma processing chamber. A patterned photoresist layer is formed with a trench pattern. Within a single plasma process chamber a combination via plug deposition to form plugs in the vias over the barrier layer and trench etch is provided.